

PSPS Scope Overview

October 18, 2019



2019 PSPS Overview

	JUNE 8 - 9	SEPT 23 - 26	OCT 5 - 6	OCT 9 - 12
	~22,000 customers impacted	~75,000 customers impacted	~11,000 customers impacted	~738,000 customers impacted
	5 counties in scope	7 counties in scope	3 counties in scope	35 counties in scope
	4 Community Resource Centers	8 Community Resource Centers	3 Community Resource Centers	30+ Community Resource Centers
	63 MPH peak wind gusts recorded	58 MPH peak wind gusts recorded	51 MPH peak wind gusts recorded	77 MPH peak wind gusts recorded
	5 system damage/ hazard incidents	4 system damage/ hazard incidents	2 system damage/ hazard incidents	100+ system damage/hazard incidents

October 9 - 12 PSPS Event Footprint

~3.8M
CUSTOMERS



**North Ops
and South Ops
Predictive Services**

~2.1M
CUSTOMERS



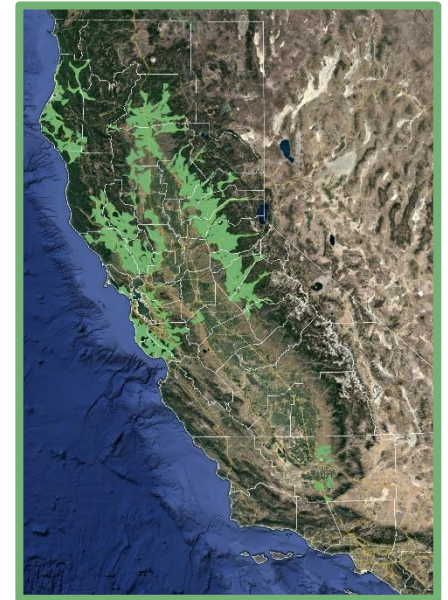
**Red Flag Warning
(National Weather
Service)**

~1.6M
CUSTOMERS



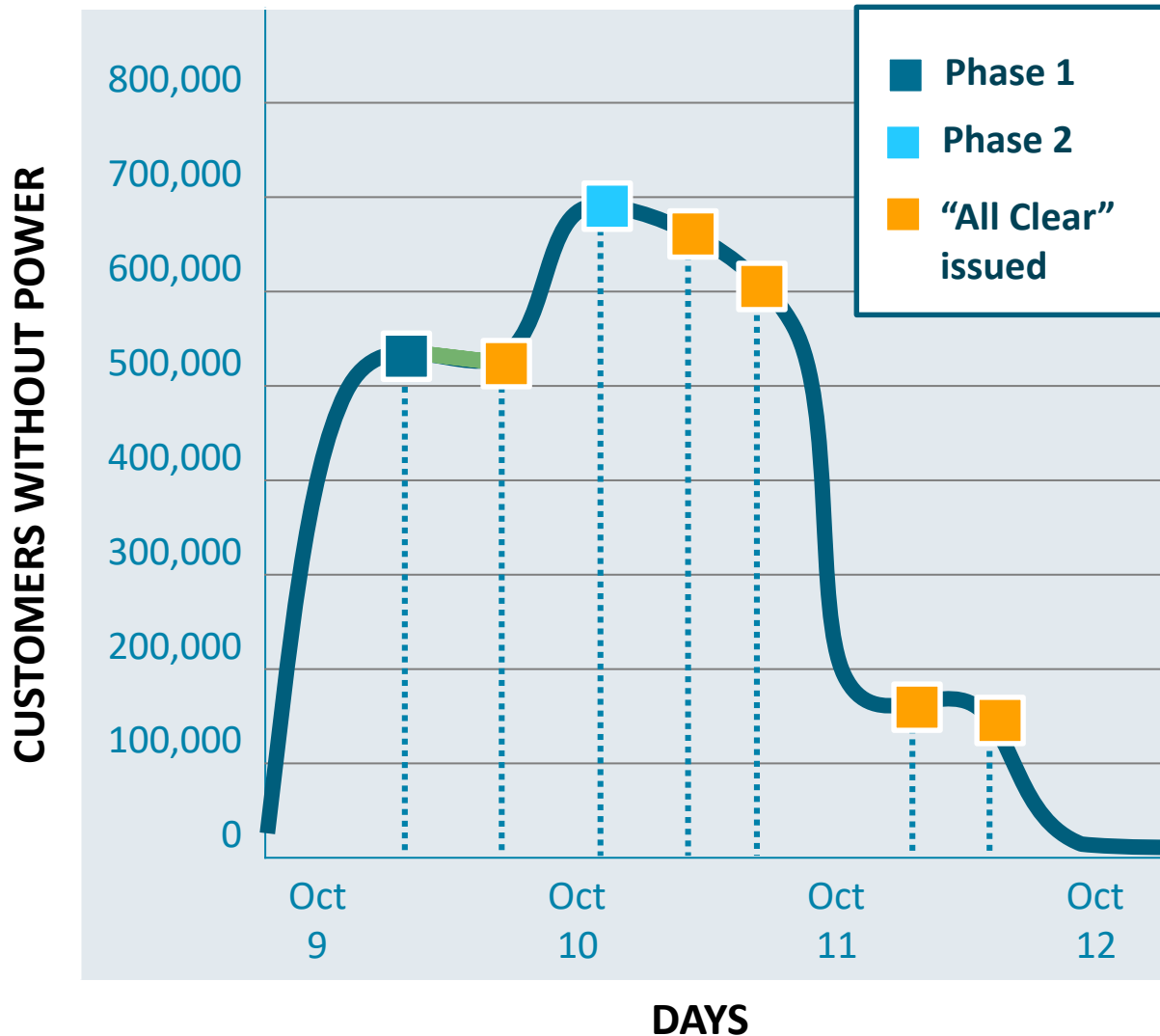
Fire Index Area

~738K
CUSTOMERS



Actual Scope

October 9 - 12 PSPS Event Hourly Impacts

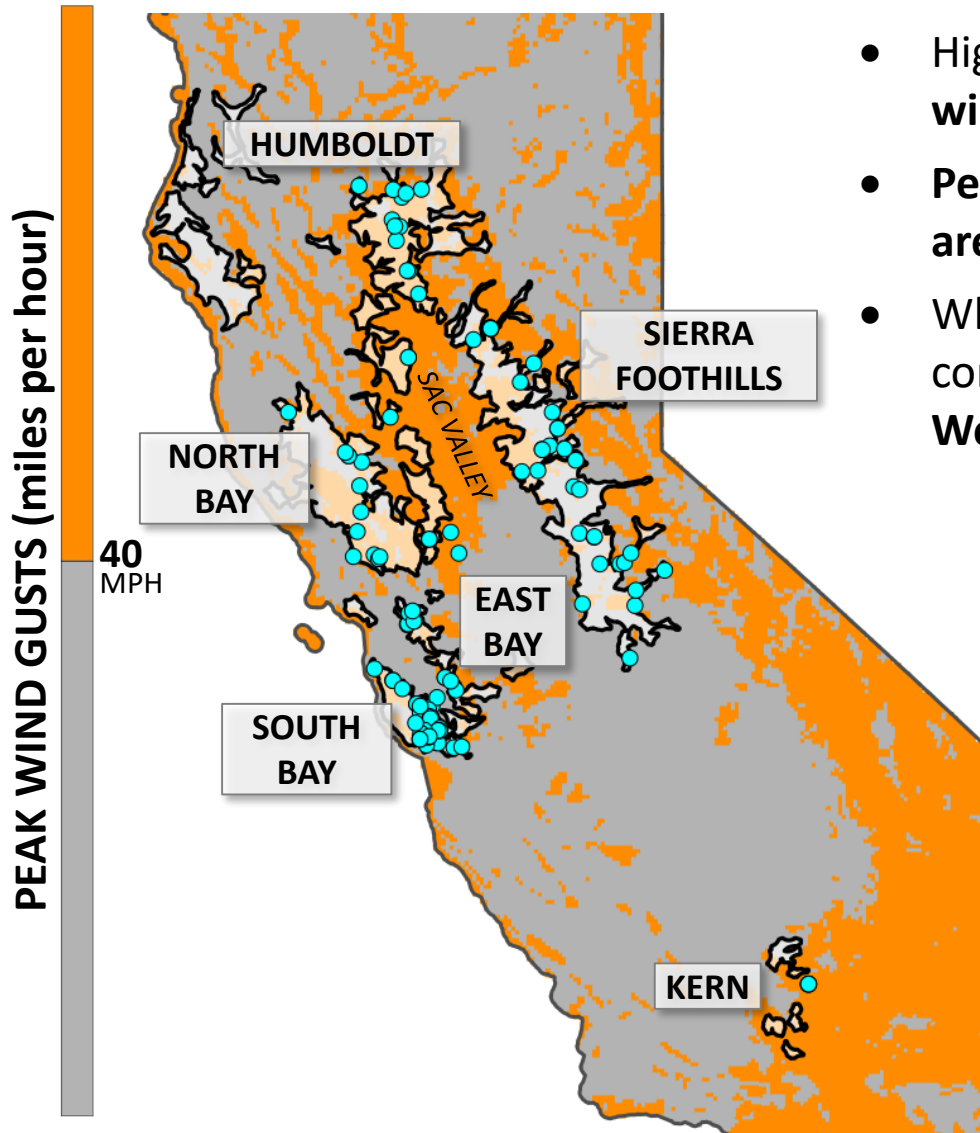


Key Takeaways

- Grid reconfiguration allowed **~48k customers** to be re-energized ahead of “All Clear”
- Nearly all customers restored within **48 hours** of “All Clear”
- **Backup generation was provided** to 10 critical facilities, including:
 - Caldecott Tunnel
 - BART Control Sites (2)
 - Angwin Resilience Zone/Calistoga

Note: Phase 3 de-energization (Kern, ~4,000 customers) occurred on 10/10 but is not noted on this diagram

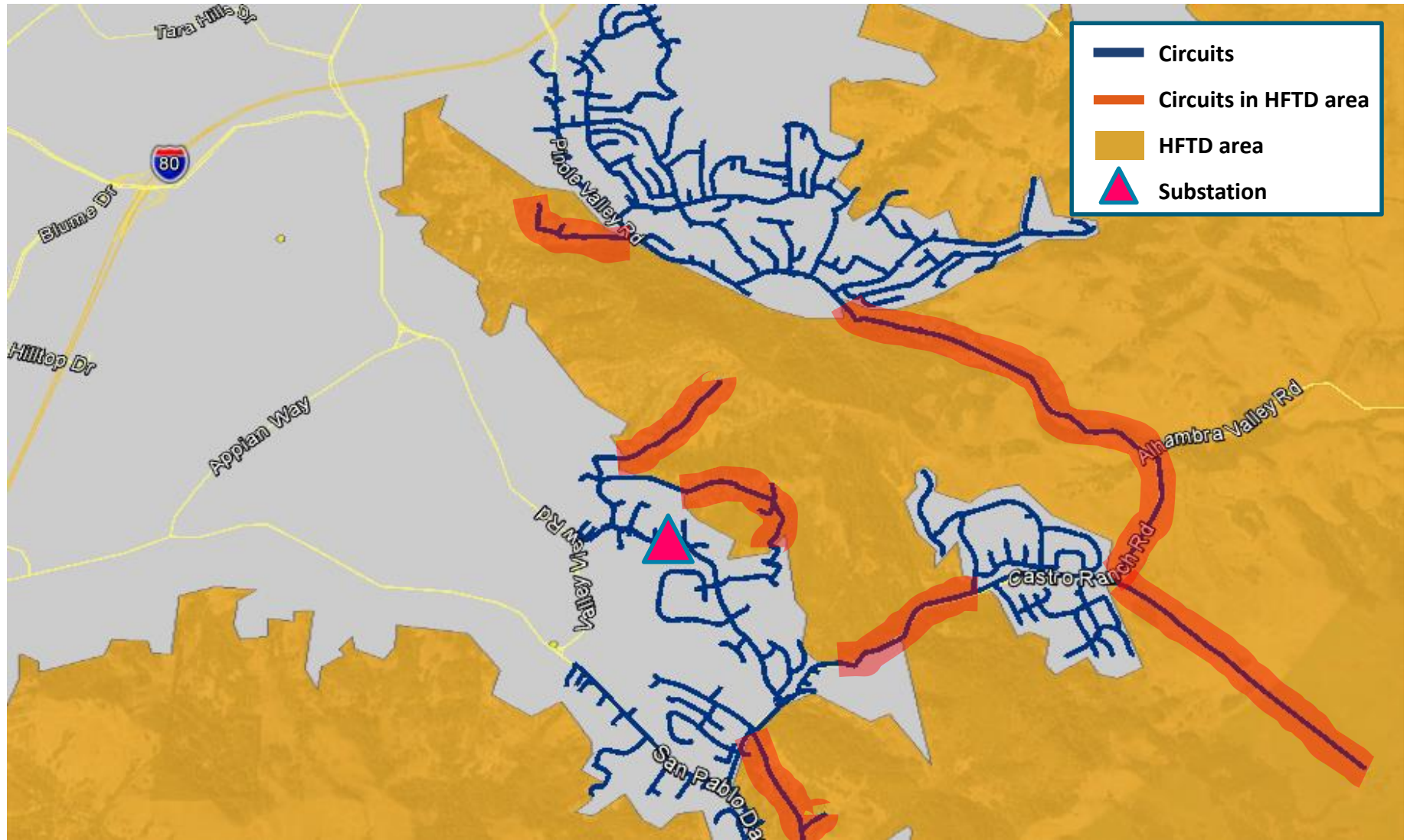
October 9 - 12 PSPS Event Scope



- High resolution forecast map of **peak wind gusts**
- **Peak wind gusts and Fire Potential Index** are key inputs to the PPS scope
- While the map represents the forecasted conditions, during the event the **National Weather Service** recorded the following:
 - **22** counties with peak wind gusts above 40 MPH
 - **15** of which experienced peak wind gusts above 50 MPH

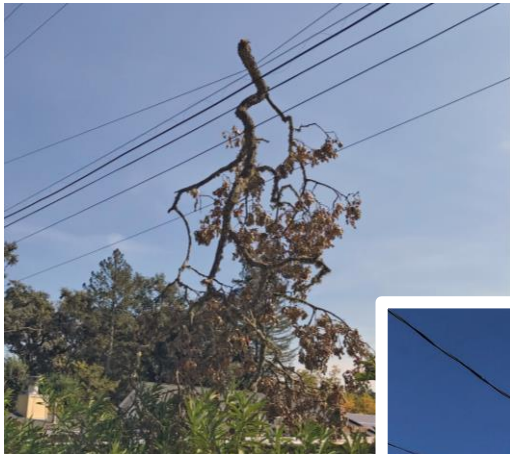
- Confirmed hazards/damage
- PSPS impact areas

Grid Configuration Example - City of Pinole



October 9 - 12 PSPS Event Damage/Hazards

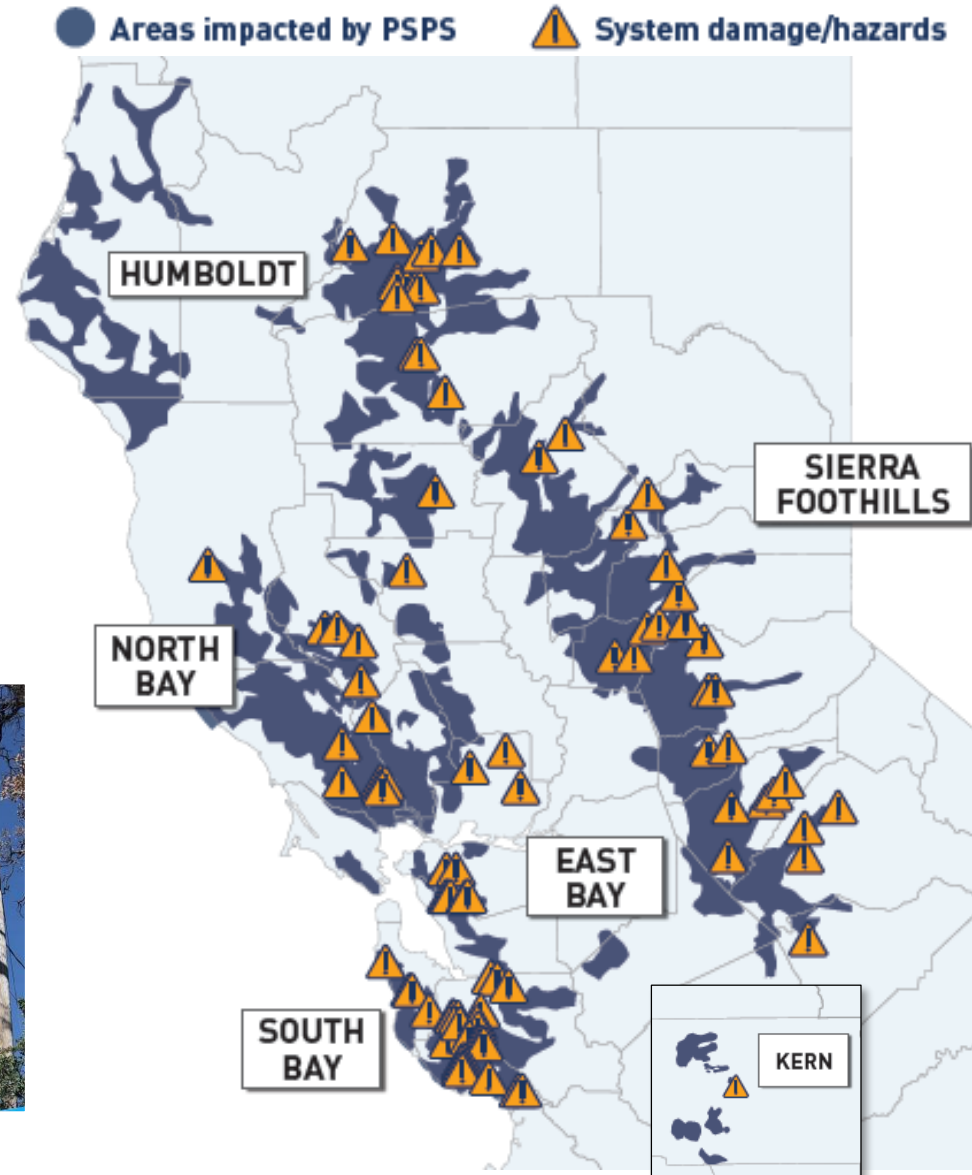
100+
INSTANCES OF
DAMAGE/HAZARDS



NAPA COUNTY



COLUSA COUNTY



Reducing PSPS Impacts

PG&E has made and will continue to make improvements on its system to reduce the impact and scope of PSPS on its customers



Sectionalizing Devices



Transmission Resiliency



Resilience Zones



Permanent Microgrids



Backup Generation



Distributed Generation